

CLAIMS

1. Modular lane sections to be juxtaposed one after the other for an urban transportation vehicle, notably of the fixed guideway type rolling on tires, characterized by the fact that it is comprised of a framework (2) formed of two laterally profiled hollow-shaped caissons (3), with a more or less rectangular or trapezoidal cross-section, having a base (4) that is more or less flat, and two lateral walls, respectively exterior (5) and the interior (6), on the upper part of which is affixed a more or less flat band which serves as the rolling track (8) for the wheels of the vehicle, the caissons being maintained more or less parallel and interconnected by tie plate lacings (16) which support a rail (17) for guiding the vehicle.
2. Modular lane sections according to the preceding claim characterized by the fact that the interior space (7) of at least one of the hollow shaped caissons (3) is used for the passage of electrical cables, notably for the vehicle's electrical feed and/or auxiliary cables for signals, security or communication.
3. Modular lane sections according to the preceding claim characterized by the fact that the interior space (7) of at least one of the hollowed shaped caissons (3) is used for the passage of air heated by a means of heating.
4. Modular lane sections according to one or other of the preceding claims characterized by the fact that the interior space (7) of at least one of the hollowed shaped caissons (3) is used to house a means for heating the air within these caissons or the plates forming the rolling track (8).
5. Modular lane sections according to one or other of the preceding claims characterized in that the band on the rolling track (8) is formed by a succession of linear plates, connected in a removable manner to the shaped caissons (3) in order to make access to the interior space (7) of the caissons (3) possible.
6. Modular lane sections according to one or other of the preceding claims characterized by the fact that the upper surface of the band of the rolling track (8) is designed with adhesion ribs (12).

7. Modular lane sections according to one or other of the preceding claims characterized by the fact that a sound insulating material is inserted between the rolling track band (8) and the shaped caisson (3) to which it is affixed.

8. Modular lane sections according to one or other of the preceding claims characterized by the fact that at least one of the caissons (3) has within its interior space (7) at least one transverse partitioning plate (11).

9. Modular lane sections according to claims 2 and 8 characterized by the fact that the transverse partitioning plate or plates (11) have housing cut-outs (15) which enable the local passage and maintenance of cables.

10. Modular lane sections according to one or other of the preceding claims characterized by the fact that the shaped caissons (3) have within their lower part, water drainage orifices.

11. Modular lane sections according to one or other of the preceding claims characterized by the fact that the guide rail (17) is affixed to the tie plate lacings (16) at their mid-level, by means of a support assembly (19) resting on a longitudinal support plate (20).

12. Modular lane sections according to the preceding claim characterized by the fact that the support assembly (19) is affixed to each of the lacings (16) by means of retaining pieces (26) of the clip type.

13. Modular lane section according to one or other of the preceding claims characterized by the fact that it is designed to be installed as a light overlay directly on a roadway or on pre-existing finished ground.

14. Modular lane section according to the preceding claim characterized by the fact that the exterior lateral wall (5) of at least one of the caissons (3) is inclined so as to produce a graduated slope towards the ground.

15. Modular lane section according to claim 13 or 14 characterized by the fact that it is designed to be immobilized by means of bands of resin (32) cast longitudinally along the ground.

16. Modular lane section according to the preceding claim characterized by the fact that it includes longitudinal anchoring forms (33), affixed to the interior face of the shaped

caissons (3) and the tie plate lacings (16) under the guide rail (17), which enables the anchoring of the section (1) to the resin (32).

17. Modular lane sections according to one or other of the preceding claims 1 to 10 characterized by the fact that it is designed to be buried in a trench, the bottom of which (28) has simply been prepared and compacted.

18. Modular lane section according to one or other of the preceding claims characterized by the fact that the intermediate free space between the two bands of the rolling tracks (8) is designed to be filled (29) by an appropriate fill, with its surface finished by means of a decorative or technical coating, notably in the form of plates (30).

19. Modular section according to one or other of the preceding claims characterized by the fact that that it has only one device for the collection of electricity at ground level.

20. Modular section according to one or other of the preceding claims from 1 to 18 characterized by the fact that it has among other things, a ground level electricity collection device.

21. Modular section according to one or other of the preceding claims characterized by the fact that it is in a form which is more or less rectangular.

22. Modular section according to one or other of the preceding claims 1 to 17 characterized by the fact that it is in the form of a curved element.

23. Modular section according to one or other of the preceding claims 1 to 20 characterized by the fact that it is in the form of an element that is more or less trapezoidal, which enables turning, either when used on its own or by means of a succession of such sections.

24. Modular section according to one or other of the preceding claims characterized by the fact that it is, when viewed in cross section, inclined in the shape of a "circumflex accent".

25. Travel lane for an urban transportation vehicle, of the fixed guideway type on tires characterized by the fact that it is formed by a succession of sections according to one or other of the preceding claims.